

CLAIMS:

1. A liquid-filled container comprising a first sheet, a second sheet, a film of liquid dispersed between the first and the second sheet and supporting members extending from the first sheet to the second sheet, the first sheet on the one hand and the supporting members on the other hand being formed as separate parts, wherein the supporting members are covalently bonded to the first and the second sheet.
2. A liquid-filled container as claimed in claim 1 wherein the first sheet has, in accordance with a predetermined pattern and facing the film of liquid, reactive regions and non-reactive regions, the reactive regions being functionalized with chemically reactive groups, and respective supporting members have reactive regions functionalized with chemically reactive groups, the chemically reactive groups of the first sheet and the supporting members having reacted with one another to covalently bond the supporting members to the first sheet at locations where the first sheet contacts the supporting members.
3. A liquid-filled container as claimed in claim 1 or 2 wherein the film of liquid and the supporting members form, in combination, a phase-separated composite.
4. A liquid-filled container as claimed in claim 3 wherein the film of liquid, the second sheet and the supporting members from, in combination, a stratified-phase-separated composite.
5. A liquid-filled container as claimed in claim 2 wherein the first sheet comprises a base film and, provided thereon, a separate, patterned layer which provides the reactive regions in accordance with the predetermined pattern, and wherein regions of the base film exposed by the separate, patterned layer to the film of liquid, provide the non-reactive regions.
6. A liquid-filled container as claimed in claim 2 wherein the first sheet comprises a base film and, provided thereon, a separate, patterned layer which provides the

non-reactive regions in accordance with the predetermined pattern, and wherein regions of the base film which are exposed by the separate, patterned layer to the film of liquid provide the reactive regions.

5 7. A liquid-filled container as claimed in claim 5 or 6 wherein the separate, patterned layer is a mono-layer.

8. A liquid-filled container as claimed in claim 5, 6 or 7 wherein the separate, patterned layer is covalently bonded to the base film.

10 9. A liquid-filled container as claimed in claim 1, 2, 3, 4, 5, 6, 7 or 8 wherein the supporting members are formed as walls partitioning the film of liquid into a plurality of separate liquid-filled pockets.

15 10. A liquid-filled container as claimed in claim 1, 2, 3, 4, 5, 6, 7, 8 or 9 wherein the liquid is a liquid crystal.

11. A liquid-filled container as claimed in claim 10 wherein the first sheet is, on the side facing the liquid film, provided with an alignment layer.

20 12. A liquid crystal display comprising a liquid-filled container as claimed in claim 10 or 11.